No.  8400019

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

CR Seeds

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID [illegible], AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* [illegible] TO THE PAYMENT OF [illegible] SEED OF THE VARIETY [illegible] [EXCL]UDE OTHERS FROM [illegible] OR OFFERING IT FOR SALE, OR REPRODUCING IT, [IM]PORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT [illegible] THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. [illegible] UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS [illegible] CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS [illegible] RIGHTS. (84 STAT. [illegible], AS AMENDED, [illegible])

[illegible]

Cabbage [illegible]

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this [illegible] day of January in the year of our Lord one thousand nine hundred and eighty-five.

[illegible signature]
[illegible]
[Plant] Variety [Protection Office]
[Agricultur]al [Marketing Service]

[signature: R Block]
[Secretary] of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION

FORM APPROVED: OMB NO.0581-0055

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1. NAME OF APPLICANT(S)
CR SEEDS r/s
~~Coker's Pedigreed Seed Co.~~

2. TEMPORARY DESIGNATION
XP 5878

3. VARIETY NAME
Coker 355

4. ADDRESS *(Street and No. or R.F.D. No., City, State, and Zip Code)*
P.O. Box 340 Hartsville, S.C. 29550

5. PHONE *(Include area code)*
803-332-8151

FOR OFFICIAL USE ONLY

PVPO NUMBER
8400019

6. GENUS AND SPECIES NAME
Glycine max

7. FAMILY NAME *(Botanical)*
Leguminosae

FILING
DATE 11/18/83
TIME 2:30 ☐ A.M. ☒ P.M.

8. KIND NAME
Soybean

9. DATE OF DETERMINATION
April 1983

FEES RECEIVED
AMOUNT FOR FILING
$ 1,000
DATE 11/18/83
AMOUNT FOR CERTIFICATE
$ 500.00
DATE 12/31/84

10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION *(Corporation, partnership, association, etc.)*
Corporation

11. IF INCORPORATED, GIVE STATE OF INCORPORATION
South Carolina

12. DATE OF INCORPORATION

13. NAME AND ADDRESS OF APPLICANT REPRESENATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS
~~Chris Tinius~~
~~Coker's Pedigreed Seed Co.~~
~~P.O. Box 1329~~
~~West Memphis, Ar 72301~~
MR. JOSH STANTON, JR. PH - 803-332-7531
CR SEEDS
P.O. BOX 1867
HARTSVILLE, SC 29550

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED

a. ☒ Exhibit A, Origin and Breeding History of the Variety *(See Section 52 of the Plant Variety Protection Act.)*

b. ☒ Exhibit B, Novelty Statement

c. ☒ Exhibit C, Objective Description of the Variety *(Request form from Plant Variety Protection Office.)*

d. ☒ Exhibit D, Additional Description of the Variety

15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? *(See Section 83(a) of the Plant Variety Protection Act.)* ☒ Yes *(If "Yes," answer items 16 and 17 below)* ☐ No

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
☒ Yes ☐ No

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
☒ Foundation ☒ Registered ☒ Certified

18. DID THE APPLICANT(S) FILE FOR PROTECTION OF THE VARIETY IN THE U.S. OR OTHER COUNTRIES?
☐ Yes *(If "Yes," give names of countries and dates)*
☒ No

19. HAVE RIGHTS BEEN GRANTED IN THE U.S. OR OTHER COUNTRIES?
☐ Yes *(If "Yes," give names of countries and dates)*
☒ No

20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT
[signature], President

DATE
November 7, 1983

SIGNATURE OF APPLICANT

DATE

8400019

EXHIBIT A: Origin and Breeding History of Variety

Coker 355 Soybeans

Year	
Spring 1976	Original cross made by Asgrow Seed Company in the greenhouse at Ames, Iowa. Cross GH 76388 Parentage: J74-122 x (Forrest x Centennial) F_1 J74-122 = Forrest^3 x PI 88788
Summer 1976	F_1 plants grown at Caruthersville, MO.
Winter 76-77	F_2 advanced to F_3 by single seed descent at Del Ray, FL.
Summer 1977	F_3 bulk planted at Caruthersville, MO. Single plants selected.
Summer 1978	F_4 progeny row I-113
Winter 1978	Seed Increase at Del Ray, FL. Assigned breeding number XP 5878.
Summer 1979	Replicated yield trials. Breeder seed produced. Plants selected for purification.
Summer 1980	Replicated Yield Trials. 50 purification rows planted. 30 uniform purification rows composited to form new breeder seed of XP 5878.
Summer 1981	Seed of XP 5878 acquired by Coker's Pedigreed Seed Co. Joint yield testing by Asgrow and Coker.
Summer 1982	Foundation seed produced by Coker.
Spring 1983	Registered seed sold.

Variants: As many as 0.5% slightly smaller hila in relation to seed size.

Evidence of stability: After observing plants and seed for 3 generations since breeder seed composited, plant and seed characters have been uniform.

United States Department of Agriculture

Agricultural Marketing Service

Warehouse and Seed Division
Building 306, Room 213, BARC-East
Beltsville, Maryland 20705

8400019

February 6, 1984

Ref: 7D3-117

EXHIBIT A
VARIANTS - PJS 2/27/84

Paul Johnson
Coker's Pedigreed Seed Company
P. O. Box 340
Hartsville, South Carolina 29550

Dear Paul:

As we reported recently by telephone, the Coker 355 soybean sample consisting of 576 grams yielded 18 seeds with atypical hila. When tested for seed coat peroxidase, 7 of these were negative and 11 were positive. The same 18 seeds were then planted in sand in the growth chamber. Four seedlings emerged from the peroxidase negative group and 6 seedlings from the positive group. All seedlings had purple hypocotyls. This agreed with the 71 seedlings from a random subsample which produced 100% purple hypocotyls and plants with tawny, erect pubescence. A random subsample of 50 seeds produced only positive peroxidase reactions. Eighteen seeds tested for urease activity all produced the fast migration band.

Sincerely,

Jim Schoen
Botanist
Federal Seed Laboratory

8400019

EXHIBIT B: Novelty Statement Coker 355 Soybean

Coker 355 most resembles the cultivars Forrest and Asgrow 5474.

Coker 355 is different from Forrest in that Coker 355 has purple flowers, brown pod wall, and resistance to race 4 of the soybean cyst nematode. Forrest has white flowers, tan pod wall, and is susceptible to race 4 of the soybean cyst nematode.

Compared to Asgrow 5474, Coker 355 is susceptible to race 1 of Phytophthora root rot by hypocotyl inoculation, whereas Asgrow 5474 is resistant. Coker 355 also has smaller seed than Asgrow 5474. Coker 355 averages 14g/100 seed whereas Asgrow 5474 averages 16g/100 seed.

FORM APPROVED: OMB NO. 0581-0055

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

EXHIBIT C
(Soybean)

OBJECTIVE DESCRIPTION OF VARIETY
SOYBEAN (Glycine max L.*)*

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
Coker's Pedigreed Seed Co.	XP 5878	Coker 355

ADDRESS *(Street and No., or R.F.D. No., City, State, and Zip Code)*

P.O. Box 340 Hartsville, S.C. 29550

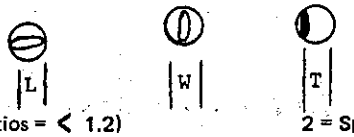
FOR OFFICIAL USE ONLY

PVPO NUMBER 8400019

Choose the appropriate response which characterizes the variety in the features described below. When the number of significant digits in your answer is fewer than the number of boxes provided, place a zero in the first box when number is 9 or less (e.g., [0][9]).

1. SEED SHAPE:

[2]



1 = Spherical (L/W, L/T, and T/W ratios = < 1.2)
2 = Spherical Flattened (L/W ratio > 1.2; L/T ratio = < 1.2)
3 = Elongate (L/T ratio > 1.2; T/W = < 1.2)
4 = Elongate Flattened (L/T ratio > 1.2; T/W > 1.2)

2. SEED COAT COLOR: (Mature Seed)

[1] 1 = Yellow 2 = Green 3 = Brown 4 = Black 5 = Other *(Specify)* _____

3. SEED COAT LUSTER: (Mature Hand Shelled Seed)

[2] 1 = Dull ('Corsoy 79'; 'Braxton') 2 = Shiny ('Nebsoy'; 'Gasoy 17')

4. SEED SIZE: (Mature Seed)

[1][4] Grams per 100 seeds

5. HILUM COLOR: (Mature Seed)

[6] 1 = Buff 2 = Yellow 3 = Brown 4 = Gray 5 = Imperfect Black 6 = Black 7 = Other *(Specify)* _____

6. COTYLEDON COLOR: (Mature Seed)

[1] 1 = Yellow 2 = Green

7. SEED PROTEIN PEROXIDASE ACTIVITY:

[ ] 1 = Low 2 = High

8. SEED PROTEIN ELECTROPHORETIC BAND:

[ ] 1 = Type A ($SP1^a$) 2 = Type B ($SP1^b$)

9. HYPOCOTYL COLOR:

[3] 1 = Green only ('Evans'; 'Davis') 2 = Green with bronze band below cotyledons ('Woodworth'; 'Tracy')
3 = Light Purple below cotyledons ('Beeson'; 'Pickett 71')
4 = Dark Purple extending to unifoliate leaves ('Hodgson'; 'Coker Hampton 266A')

10. LEAFLET SHAPE:

[3] 1 = Lanceolate 2 = Oval 3 = Ovate 4 = Other *(Specify)* _____

5

11. LEAFLET SIZE:

[2] 1 = Small ('Amsoy 71'; 'A5312') 2 = Medium ('Corsoy 79'; 'Gasoy 17') 3 = Large ('Crawford'; 'Tracy')

12. LEAF COLOR:

[2] 1 = Light Green ('Weber'; 'York') 2 = Medium Green ('Corsoy 79'; 'Braxton') 3 = Dark Green ('Gnome'; 'Tracy')

13. FLOWER COLOR:

[2] 1 = White 2 = Purple 3 = White with purple throat

14. POD COLOR:

[2] 1 = Tan 2 = Brown 3 = Black

15. PLANT PUBESCENCE COLOR:

[2] 1 = Gray 2 = Brown (Tawny)

16. PLANT TYPES:

[2] 1 = Slender ('Essex'; 'Amsoy 71') 2 = Intermediate ('Amcor'; 'Braxton') 3 = Bushy ('Gnome'; 'Govan')

17. PLANT HABIT:

[1] 1 = Determinate ('Gnome'; 'Braxton') 2 = Semi-Determinate ('Will') 3 = Indeterminate ('Nebsoy'; 'Improved Pelican')

18. MATURITY GROUP:

[0][8] 1 = 000 2 = 00 3 = 0 4 = I 5 = II 6 = III 7 = IV 8 = V 9 = VI 10 = VII 11 = VIII 12 = IX 13 = X

19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

BACTERIAL DISEASES:

[2] Bacterial Pustule *(Xanthomonas phaseoli* var. *sojensis)*

[0] Bacterial Blight *(Pseudomonas glycinea)*

[2] Wildfire *(Pseudomonas tabaci)*

FUNGAL DISEASES:

[0] Brown Spot *(Septoria glycines)*

Frogeye Leaf Spot *(Cercospora sojina)*

[0] Race 1 [0] Race 2 [0] Race 3 [0] Race 4 [0] Race 5 [0] Other *(Specify)* _____

[0] Target Spot *(Corynespora cassiicola)*

[0] Downy Mildew *(Peronospora trifoliorum* var. *manshurica)*

[0] Powdery Mildew *(Microsphaera diffusa)*

[0] Brown Stem Rot *(Cephalosporium gregatum)*

[0] Stem Canker *(Diaporthe phaseolorum* var. *caulivora)*

19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant) (Continued)

FUNGAL DISEASES: (Continued)

[0] Pod and Stem Blight *(Diaporthe phaseolorum* var; *sojae)*

[0] Purple Seed Stain *(Cercospora kikuchii)*

[0] Rhizoctonia Root Rot *(Rhizoctonia solani)*

Phytophthora Rot *(Phytophthora megasperma* var. *sojae)*

[1] Race 1 [0] Race 2 [0] Race 3 [0] Race 4 [0] Race 5 [0] Race 6 [0] Race 7

[0] Race 8 [0] Race 9 [0] Other *(Specify)* _____

VIRAL DISEASES:

[0] Bud Blight (Tobacco Ringspot Virus)

[0] Yellow Mosaic (Bean Yellow Mosaic Virus)

[0] Cowpea Mosaic (Cowpea Chlorotic Virus)

[0] Pod Mottle (Bean Pod Mottle Virus)

[0] Seed Mottle (Soybean Mosaic Virus)

NEMATODE DISEASES:

Soybean Cyst Nematode *(Heterodera glycines)*

[0] Race 1 [0] Race 2 [2] Race 3 [2] Race 4 [ ] Other *(Specify)* _____

[0] Lance Nematode *(Hoplolaimus Colombus)*

[1] Southern Root Knot Nematode *(Meloidogyne incognita)*

[0] Northern Root Knot Nematode *(Meloidogyne Hapla)*

[0] Peanut Root Knot Nematode *(Meloidogyne arenaria)*

[0] Reniform Nematode *(Rotylenchulus reniformis)*

[ ] OTHER DISEASE NOT ON FORM *(Specify):* _____

20. PHYSIOLOGICAL RESPONSES: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

[0] Iron Chlorosis on Calcareous Soil

[ ] Other *(Specify)* _____

21. INSECT REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

[0] Mexican Bean Beetle *(Epilachna varivestis)*

[2] Potato Leaf Hopper *(Empoasca fabae)*

[ ] Other *(Specify)* _____

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

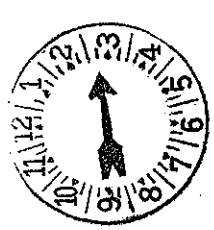
CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant Shape	Forrest	Seed Coat Luster	Forrest
Leaf Shape	Forrest	Seed Size	Forrest
Leaf Color	Forrest	Seed Shape	Forrest
Leaf Size	Forrest	Seedling Pigmentation	Forrest

23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

VARIETY	NO. OF DAYS MATURITY	PLANT LODGING SCORE	CM PLANT HEIGHT	LEAFLET SIZE		SEED CONTENT		SEED SIZE G/100 SEEDS	NO. SEEDS/ POD
				CM Width	CM Length	% Protein	% Oil		
Submitted	121	2.0	91			40.3	18.3	14	
Name of Similar Variety Forrest	122	2.0	91			40.0	20.1	10	

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
2. Buttery, B.R. and R.I. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A_2 in the USDA soybean germplasm collection. Crop Sci., 13: 420-421.
4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1: 1-19.



8

EXHIBIT D: Additonal Description of Variety Coker 355 Soybean

Analyses performed at the Federal Seed Laboratory in Beltsville, Md. indicate that Coker 355 has the following characteristics:

Seed Coat Peroxidase Activity: 100%+

Seed Urease: Fast Band

8400019

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN & SEED DIVISION

REPORT OF LABORATORY TEST

Paul G. Johnson
Coker's Pedigreed Seed Company
Box 340
Hartsville, South Carolina 29550

TEST NO.	NAME OF SEED	SENDER'S MARK
7D3-117	soybean, Coker 355	

GERMINATION TEST

PERCENT GERMINATION	PERCENT HARD SEED	PERCENT AND KIND ABNORMAL SEEDLINGS	PERCENT TZ	DURATION OF TEST
NOT REQUESTED				

PURITY TEST

PERCENT PURE SEED	PERCENT CROP SEED	PERCENT INERT	PERCENT WEED SEED	KIND OF WEED AND/OR CROP SEED
NOT REQUESTED				

NOXIOUS WEED SEED TEST

Noxious weed seed in _____ grams according to _____ State law.

Kind and rate of occurance:

NOT REQUESTED

REMARKS:

Variety test

Hilum Color - black
Seed Coat Luster - shiny
Seed Coat Peroxidase Activity - 100% +
Seed Urease - fast band
Seedling Hypocotyl Color - purple
Seedling Pubescence Color - tawny
Seedling Pubescence Angle - erect

AUTHORIZED SIGNATURE
Richard C. Payne
Richard C. Payne, Supervisor

DATE
October 21, 1983

NAME AND ADDRESS OF LABORATORY
FEDERAL SEED LABORATORY
Building 306, RM. 213, BARC-East
Beltsville, Maryland 20705

FORM LMGS-13 (9-81) (Formerly Form LPGS-13 (3-79), which may be used.)

8400019

COKER'S PEDIGREED SEED COMPANY

DAVID R. COKER (1870-1938) FOUNDER

THE GUARANTEE OF QUALITY

HARTSVILLE, S.C.
U. S. A.

ZIP CODE: 29550
P. O. BOX 340
PHONE: AREA 803 NO. 332-8151
CABLE: CPSCO
TELEX 573-343

May 19, 1982

Mr. James D. Fetrow
General Manager
Agronomic Division
Asgrow Seed Company
Kalamazoo, Michigan 49001

Dear Mr. Fetrow:

Enclosed you will find the signed agreement of Transfer of Ownership and Royalty for the two soybean varieties, Q327-4270 and XP5878.

These two varieties are currently in production. They will be marketed by the following names: 1) Q327-4270 will be sold as Coker 393 and 2) XP5878 will be sold as Coker 355.

Please provide us the documentation required to apply for plant variety protection on these two varieties.

We are sure these varieties will fill an important need in our soybean lineup.

Thank you.

Sincerely,

COKER'S PEDIGREED SEED COMPANY

Darrel Grabow
Vice President Marketing

DG:jc

Enclosure

cc: J. Dahmer
J. Stanton ✓
M. Buechting
D. Weaver

KWS

8400019

SOYBEAN VARIETIES TESTED AS Q327-4270 AND XP5878

TRANSFER OF OWNERSHIP

AND

ROYALTY AGREEMENT

Under the terms and conditions outlined herein, Asgrow Seed Company (Asgrow) transfers to Coker Pedigreed Seed Company, P. O. Box 340, Hartsville, S.C. (COKER) two soybean varieties bred by "Asgrow" and tested as Asgrow Q327-4270 and XP5878. The terms of transfer and royalty agreement as follows:

I. Conveyance: Asgrow Seed Company does hereby convey to Coker free from encumbrances all its rights as breeder of the soybean varieties identified as Asgrow Q327-4270 and XP5878, including all rights of ownership and the right to apply for a certificate of Plant Variety Protection for the variety.

II. Responsibility: Coker will name, promote, and market the variety under their own proprietory label with no reference to Asgrow as the originator. Coker shall apply for and bear the expenses involved in making application for Plant Variety Protection with Asgrow preparing the documentation at no charge. Coker will notify Asgrow as to the variety name selected for each variety.

III. Variety Maintenance: These varieties will be maintained by Coker with Asgrow selling to them their total stock of breeders seed of the varieties at an agreed upon price ($25.00/50 lb. bag). Cost of delivery from Asgrow location to a designated location of Coker's shall be for the account of Coker. It is clearly understood and agreed that Asgrow in no way shall be liable for a crop failure or any problems related to seed quality in the production of subsequent generations by Coker.

IV. Distribution Policy: Under the terms of this agreement there is no limitation on sales territory or on the number of competing varieties offered by either party. Asgrow will continue to offer proprietory soybean seed under the Asgrow label throughout their sales territory.

V. Production and Sales Reporting: At the end of each harvest season or no later than January 15, Coker shall furnish Asgrow an accounting of the number of bushels of the various generation or certification classes of Asgrow XP5878 and Q327-4270 available for conditioning and available for sale. By July 15 of each year, Coker shall report to Asgrow the number of bushels sold for seed purposes. With this information Asgrow will invoice Coker according to the royalty agreement in section VI. In the case of blends, the royalties payable to Asgrow shall be computed and based upon the percentage of Q327-4270 or XP5878 in such blends that Coker selects to market.

VI. Royalty Agreement: Coker shall pay to Asgrow a royalty for each bushel of seed sold, regardless of classification, of the variety produced by Coker and its licensees. It is understood that royalties shall be based on seed sold for planting purposes only and is not to be confused with sales of cull or excess production that is sold for oil milling or other feed or food purposes. In the event Coker elects not to apply for protection under the certification option of the Plant Variety Protection Act, royalties shall be paid on all seed sales regardless of classification. The royalty per bushel of seed sales shall be calculated at 5% of the closing January futures price per bushel of soybeans on the first market day in November as established on the Chicago Board of Trade and reported in The Wall Street Journal. Royalties are payable within 30 days after invoicing.

VII. Assistance: Asgrow shall offer Coker the full support and cooperation of their Soybean Breeding & Research Department in testing and developing new and better varieties and helping to evaluate Coker test plantings in comparing competitive varieties. New or replacement varieties shall be included in this program by mutual agreement and under a separate contract.

VIII. Termination of Contract: It is agreed that the marketing rights for these soybean varieties cannot be transferred by Coker to another company or individual without the approval of Asgrow. Transfer is not to be confused with licensing as mentioned in paragraph VI above. It is further agreed that this contract shall remain in force for the life of the variety and will automatically terminate when Coker discontinues the sale of the variety.

IX. Effective Date: This agreement shall become effective upon its execution between Asgrow and Coker.

WITNESS the hands and seals of the parties this 19th day of May, 1982.

WITNESS

Jane Crowley

Mary Cooley

Coker Pedigreed Seed Company

by: [signature]

WITNESS

Marilyn A. Meyers

ASGROW SEED COMPANY

by: [signature]

8400019

State of New York
County of New York ss:

TRANSFER OF APPLICATIONS FOR

PLANT VARIETY PROTECTION

In consideration of the formation of a research partnership, which is named CR Seeds with its principal offices at 900 Darlington Highway, Hartsville, S.C. 29550, and of which Coker's Pedigreed Seed Company is a partner, Coker's Pedigreed Seed Company does hereby convey to CR Seeds, free from all encumbrances, ownership of the following applications for Plant Variety Protection:

Wheat Varieties

Variety Name	Application No.	Date of Filing
Coker 916	830036	January 11, 1983
Coker 983	Application Mailed to PVP Office on	February 17, 1984

Oat Varieties

Variety Name	Application No.	Date of Filing
Coker 820	Application Mailed to PVP Office on	February 24, 1984

Soybean Varieties

Variety Name	Application No.	Date of Filing
Coker 393	8400018	November 18, 1983
Coker 355	8400019	November 18, 1983

COKER'S PEDIGREED SEED CO.

By: E. Joe Dahmer
E. Joe Dahmer, President

Date: Feb. 29, 1984

Sworn and subscribed to before me
this 29th day of February, 1984.

Ruth Silber
Notary Public ~~for South Carolina~~

~~(My commission expires March 20, 1990.)~~

RUTH SILBER
NOTARY PUBLIC, State of N.Y.
No. 31-8994050
Qualified in New York County
Commission Expires March 30, 1984